

that the charging voltage becomes equal to or lower than a value assigned to the battery.

198. (NEW) A charge control circuit as set forth in claim 195, wherein the value assigned in advance is a maximum permissible supply current of the AC adapter.

199. (NEW) A charge control circuit as set forth in claim 195, wherein the control circuit controls the charging current the charger supplies to the battery, based on sensed information on input from the connector, so that a sum of the current applied to the load and the current charged to the battery becomes the value assigned in advance.

REMARKS

In accordance with the foregoing, the specification has been amended to correct a typographical error. Claims 35-88, 113-117 and 130-132 have been cancelled without prejudice or disclaimer and claims 148-199 have been added, thus, claims 1-34, 89-112, 118-129, 133-199 are now pending and under consideration.

Request For Interview

Applicants respectfully requests an interview with the Examiner prior to further consideration of this application by the Examiner. Applicants' attorney will telephone the Examiner to schedule a date and time for the interview.

Specification Amendment:

In the Office Action, the Examiner noted that the specification at col. 14, line 29, included an error in that the current measuring circuit was identified with reference number 50. The specification has been amended as set forth above to correct the reference number for the current measuring circuit 55. The correct reference number for the current measuring circuit 55 is shown at col. 14, line 4, col. line 14 and in FIG. 4. Thus, no new matter is included in the specification. Reference number 50 is used numerous times to identify the rechargeable battery.

Drawing Objections:

At page 2 of the Office Action, the Examiner objected to the drawings because the "remaining amount determining section" was not shown in the drawings. The "remaining amount determining section" was recited in claims 115 and 116, which have been canceled without prejudice or disclaimer. Thus, the Examiner's objection has been overcome.

The 35 U.S.C. §102(e) Rejection:

At page 3 of the Office Action, claims 35, 36, 37, 50-53, 54, 55, 68-71, 72, 73, 86-88, and 130-132 are rejected under 35 U.S.C. §102(e) as being anticipated by U.S. Patent 5,327,071 to Frederick et al. All of claims 35, 36, 37, 50-53, 54, 55, 68-71, 72, 73, 86-88, and 130-132 have been canceled without prejudice or disclaimer, thus the rejection of these claims is moot.

The 35 U.S.C. §103(a) Rejection:

At page 5 of the Office Action, claims 38-49, 56-67, 74-85 and 113-117 are rejected under 35 U.S.C. §103(a) as being unpatentable over U.S. Patent 5,327,071 to Frederick et al. in combination with U.S. Patent 5,371,456 to Brainard. All of claims 38-49, 56-67, 74-85 and 113-117 have been canceled without prejudice or disclaimer, thus the rejection of these claims is moot.

New Claims:

New claims 148-199 are added to claim allowable subject matter by using a variety of expressions of claim language in order to fully protect the present invention. Claims 148-199 are similar in scope to allowed claims 11-34, 89-100, 111, and 133-147, respectively. Support for claims 148-199 is found in portions of the specification which provide support for claims 11-34, 89-100, 111, and 133-147, respectively.

Summary:

There being no further outstanding objections or rejections, it is submitted that the application is in condition for allowance. An early action to that effect is courteously solicited.

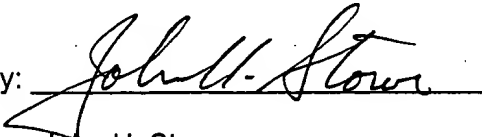
Finally, if there are any formal matters remaining after this response, the Examiner is requested to telephone the undersigned to attend to these matters.

If there are any additional fees associated with filing of this Amendment, please charge the same to our Deposit Account No. 19-3935.

Respectfully submitted,

STAAS & HALSEY LLP

Date: 12/27/02

By: 
John H. Stowe
Registration No. 32, 863

700 Eleventh Street, NW, Suite 500
Washington, D.C. 20001
(202) 434-1500